

p+C interactions at 120 GeV/c.

- proton beam triggers (data)
- Z cut: not applied for data, MC at target
- protons identified by RICH.
- momentum cut: not applied for data, MC

- 108
$$< P_{tot} <$$
130 GeV/c

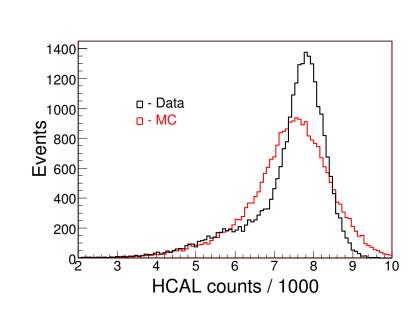
Plots are EMCAL responses for the high momentum protons. MC distributions are normalized to same area as data.

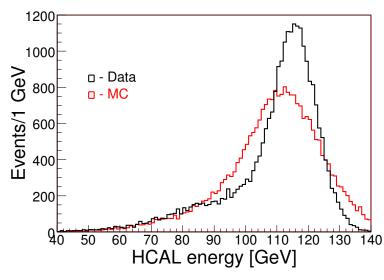
- MIP region looks okay, it was off by X2
- Cascade developments are differ, missed e?











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- single track within HCAL

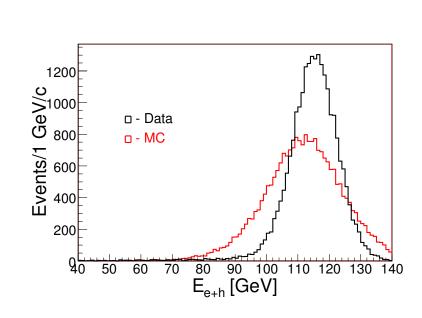
Plots are HCAL responses for protons.

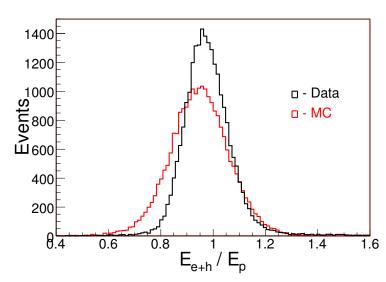
- MC peak position was off by 20%, now better
- it expected that MC would be broader than data











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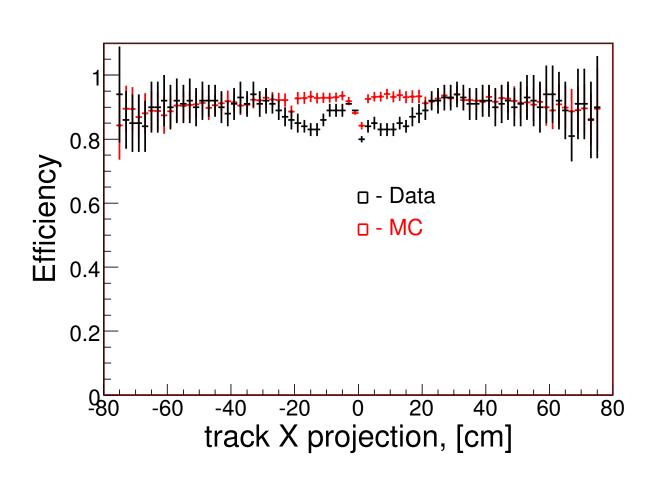
Upper plot: EMCAL + HCAL energy sum for protons. The low energy tail is reduced.

Bottom plot: E_{e+h} / E_p ratio distribution. Finally, it looks not too bad.





EMCAL - track matching



MC match efficiency was twice below than data. Now it fixed.